

REPLACEMENT ABSTRACT

An improved apparatus and method are provided for updating a database object. A database thread is implemented in a database-dependent application stored in the main memory of a computer. An object cache manager allows the database-dependent application to modify a cached version of a transient object and to queue corresponding database processing commands. The database thread updates the persistent data stored in the central database corresponding to the transient object. A Permit Manager provides for carrying out concurrency using a cache invalidation mechanism.